

14 First Order Differential Equations: Concluding Thoughts

14.1 Revision of key ideas

In chapters 8–13 we have encountered a variety of ideas relating to the analysis of first-order differential equations *and* mathematical modelling.

1. Identify four of the most important ideas that you have encountered. Write one to two paragraphs on each idea explaining its significance. Illustrate your answer with examples where appropriate.

4.2 Concept map

Draw a concept map for chapters 8–13. Think of this as the concept map of all the differential concept maps! If you are unfamiliar with the idea of a concept map see appendix A.